REMARKS

Claims 1 - 27 are pending. Claims 1 - 18 have been amended. Claims 19 - 27 have been added. No new matter has been introduced. Reexamination and reconsideration of the application are respectfully requested.

In the October 1, 2002 Office Action, the Examiner rejected claims 1 - 4 and 13 - 16 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,288,716 to Humpleman et al. (the Humpleman reference). The Examiner rejected claims 5 - 12, 17, and 18 under 35 U.S.C. § 103(a) as being obvious over the Humpleman reference in view of U.S. Patent No. 5,530,924 to Miller (the Miller reference.) These rejections are respectfully traversed.

The present invention relates to an audio system having various kinds of capabilities of processing the audio with visual indication of the capabilities by labels. An audio system 1 is connected, at external device connection terminals, to digital and analog signal sources such as a personal computer, a CD player, an Mini-Disk player, and a tape deck. In the audio system, the input selector is controlled by a central processing unit according to the operation state of an operation control device. The audio system is also provided with a display device, a read-only memory (ROM), and a random access memory. The display device has multi-purpose display blocks and solid indicators. The ROM stores control programs, e.g., the display sequence of the data to be displayed on the display device, and data necessary to control the audio system. The ROM data may include labels. The user can also enter a label as desired character strings into a work area of the RAM. A PC connection terminal may be connected to the external PC when the PC is connected to the system.

The external PC allows the user to not only to control the operations such as selector switching on the system but also to execute character string registration into the edit area of the RAM as well as data rewriting. The display data to be stored in the RAM can be edited so that the contents to be displayed on the display device can be changed by operating the operation control device. The audio system not only prepares default labels in the ROM as described above, but also allows the editing of the display data of the labels by an external PC. The edited display data may be stored in the RAM.

The external personal computer may execute a program to initiate editing the display character strings and may request the audio system for information about the display character strings. The audio system transfers the requested data to the external personal computer. In operating the edit system, the user may select to edit labels from a main menu of the edit software and the selector label edit mode may displayed on the display section of the PC. The user may enter the desired character string representing selector labels. The user can quit the edit operation by clicking a button. In addition, by editing the displayed labels in this edit operation, the user may reflect the edited character strings onto the display of the selector labels in system. When a save command is entered, the character string is transferred to the system along with the selector label rewrite command. In response, the system can store these display data into the edit area in the RAM of system. Subsequently, the selector labels edited are actually reflected on the display device of the system.

Claim 1 recites:

1. (Amended) An audio system having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio system comprising:

a main section that provides the capabilities of processing the audio signal;

an editing section *external to the main section* that is operated to edit display data representative of a label corresponding to a capability provided by the main section *and to output the data representative of the label corresponding to the capability*;

a storage section that stores the edited display data; and

a display section that displays the label according to the edited display data stored in the storage section so that the displayed label can be customized in association with the corresponding capability.

The Humpleman reference relates to a browser-based home network utilizing Internet technology to control and command home devices that are connected to a home network. Each of the home devices may contain interface data, e.g., HTML, XML, JAVA, JAVASCRIPT, etc., that provides an interface for commanding and controlling of each of the home devices over the home network. Using the browser technology, the home network employs Internet standards to render the HTML pages in order to provide users with a plurality of graphical user interfaces (GUIs) for commanding and controlling each home device. In an embodiment, a 1394 serial bus may electronically connect multiple home devices. In other embodiments, the home network utilizes the IP network layer as the communication layer for the home network.

(Col. 4, lines 25 - 53.)

The physical layer for data communication on the home network may be a 1394 serial bus, Ethernet, ATM, or wireless bus. In an embodiment, a home network 100 may include a DBSS 104 which receives transmission signals from a satellite; a digital video device DVD 108 to display digitally enclosed videos on a home television; a digital video cassette recorder DVCR 110, and a digital TV (DTV) 102. The DTV 102 may provide the human interface for the home network 100 by employing browser technology to allow users to control and command the home devices over the home network 100. Unlike most other home devices that are typically connected to a home network, a DTV 102 may provide the human interface for the home network 100 as it includes a screen for displaying HTML pages. In other embodiments, a PC may provide the human interface for the home network because it embodies a screen display unit. *(Col. 5, line 50 - Col. 6, line 23.)*

A client-server relationship exists among the attached devices, with the DTV 102 behaving as the client and home devices DVCR 110, DVD 108, DSS 104 and a security system 120 behaving as servers. Each of the home devices is associated with one or more HTML files. These files define the command and control functions associated with a home device. The browser based DTV 102, acting as a client, receives and interprets the HTML files associated with the home devices, acting as servers, and graphically displays the respective control and command information on its viewable display. If the home devices conform to Internet HTML and HTTP standards, the home device may send its custom graphical user interface (GUI) to the browser based DTV. Because each home device 102 supplies its own GUI through the HTML files, the

browser based DTV can provide a command and control interface for a home device without having the specific details about the device. *(Col. 6, line 54 - Col. 7, line 7.)*

Each home device connected to the home network also contains a LOGO image file that contains an image that represents the manufacturer of the device. *(Col. 9, lines 39 - 42.)* An auto-tree builder uses the contents of a device list file of a home network to generate a device link page. A device link page is displayed to the user on the screen and contains a home device button for each home device identified in the device list file. Each home device button is associated with the hypertext link to the top-level page of the respective home device. The user may define the arrangement of device images and logos on the device link page. *(Col. 13, line 15 - col. 14, line 16.)*

The Humpleman reference does not disclose, teach, or suggest the audio system in claim 1, as amended. Unlike the audio system in claim 1, as amended, the Humpleman reference does not show an audio system having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio system including: a main section that provides the capabilities of processing the audio signal; an editing section *external to the main section* that is operated to edit display data representative of a label corresponding to a capability provided by the main section *and to output the data representative of the label corresponding to the capability*; a storage section that stores the edited display data; and a display section that displays the label according to the edited display data stored in the storage section so that the displayed label can be customized in association with the corresponding capability.

The Humpleman reference only discloses a home device, acting as a client

device, that resides on a home network and receives and interprets the HTML files associated with the home devices, acting as servers, and graphically displays the respective control and command information on its viewable display. The home device acting as a client may also edit the command and control information of the home devices acting as servers. *(Col. 6, line 54 - Col. 7, line 7; Col. 9, lines 39 - 42.)* The Humpleman reference makes no mention of an audio system having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels including an editing section *external to the main section* that is operated to edit display data representative of a label corresponding to a capability provided by the main section *and to output the data representative of the label corresponding to the capability.* The Humpleman reference's home device edits command and control information of other home devices but does not output command and control information and thus does not disclose an editing section *external to the main section* that is operated to edit display data representative of a label corresponding to a capability provided by the main section *and to output the data representative of the label corresponding to the capability.* Accordingly, applicants respectfully submit that independent claim 1, as amended, distinguishes over the Humpleman reference.

The Miller reference does not make up for the deficiencies of the Humpleman reference. The Miller reference is directed to a system providing memory storage of a desired audio effect corresponding to each broadcast channel at a memory preset. *(Col. 1, line 66 - col. 2, line 2.)* A main controller 25, preferably including a programmed microprocessor, is connected to a radio bezel 26 including operator inputs 27 and an information display 28. Operator inputs 27 include memory presets and sound field

selection buttons. Display 28 includes a display segment 32 for showing a tuned-in frequency. A display segment 33 shows the sound field simulation being invoked. Controller 25 receives signals from the operator inputs for selecting a broadcast station and the desired audio effects. Controller 25 is connected to RAM 37 which stores memory preset information. A memory row has designated RAM locations for storing a tuning frequency, a treble level, a bass level, and a sound field that corresponds to a memory preset button. *(Col. 3, line 21 - col. 3, line 57.)*

An operator tunes to a desired broadcast station and adjusts the treble and bass levels to suit the operator's test using an adjustment rocker and function selection button. The operator may set a sound field simulation in and then depress the memory preset button for a length of time to store the station and the selected audio effects. During later operation, when a preset button is depressed, the frequency stored is first recalled along with the treble, bass, and sound field parameters. *(Col. 3, line 58 - col. 4, line 10.)*

The Miller reference does not disclose, teach, or suggest the audio system in claim 1, as amended. Unlike the audio system in claim 1, as amended, the Miller reference does not show an audio system having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio system including: a main section that provides the capabilities of processing the audio signal; an editing section *external to the main section* that is operated to edit display data representative of a label corresponding to a capability provided by the main section *and to output the data representative of the label corresponding to the capability*; a storage section that stores the edited display data; and a display section

that displays the label according to the edited display data stored in the storage section so that the displayed label can be customized in association with the corresponding capability.

Instead, the Miller reference discloses a method of storing a sound field simulation associated with a preset radio frequency for a specific preset button and a method of recalling the sound field simulation by depressing the specific preset button. *(Col. 3, line 58 - col. 4, line 10.)* This is not the same as an audio system including an editing section *external to the main section* that is operated to edit display data representative of a label corresponding to a capability provided by the main section *and to output the data representative of the label corresponding to the capability.* Accordingly, applicants respectfully submit that claim 1, as amended, distinguishes over the Miller reference, alone or in combination with, the Humpleman reference.

Independent claims 2, 3, 7, 8, 13, and 14, all as amended, recite limitations similar to independent claim 1, as amended. Accordingly, applicants respectfully submit that independent claims 2, 3, 7, 8, 13, and 14, all as amended, distinguish over the Humpleman and the Miller references for the reasons set forth above with respect to independent claim 1, as amended.

Claims 9 - 12, and 15 - 18 depend, directly or indirectly, from independent claims 8 and 14, respectively. Accordingly, applicants respectfully submit that dependent claims 9 - 12 and 15 - 18 distinguish over the Humpleman and Miller references for the reasons set forth above with respect to independent claim 1, as amended.

Claim 4, as amended, recites:

An audio system capable of processing an audio signal inputted from different

types of signal sources with visual indication of the signal sources by labels, the audio system comprising:

a first storage section that provisionally stores display data representative of labels corresponding to the signal sources;

an editing section that is operated to edit the display data so that the labels can be customized in association with the different types of the signal sources;

a second storage section that stores the edited display data;

a selecting section that selects one type of the different types of the signal sources to input the audio signal; and

a display section that displays a label corresponding to the selected one type of the signal sources according to the display data stored in either the first storage section or the second storage section, *wherein the editing section is external to the selecting section and the display section.*

The Humpleman reference does not disclose, teach, or suggest the audio system in independent claim 4, as amended. Unlike the audio system in independent claim 4, as amended, the Humpleman reference does not show an audio system capable of processing an audio signal inputted from different types of signal sources with visual indication of the signal sources by labels, the audio system including a first storage section that provisionally stores display data representative of labels corresponding to the signal sources; an editing section that is operated to edit the display data so that the labels can be customized in association with the different types of the signal sources; a second storage section that stores the edited display data; a selecting section that selects one type of the different types of the signal sources to input the audio signal; and a

display section that displays a label corresponding to the selected one type of the signal sources according to the display data stored in either the first storage section or the second storage section, *wherein the editing section is external to the selecting section and the display section.*

Instead, the Humpleman reference discloses a home device, acting as a client, that edits the command and control information of the home devices, acting as servers, and graphically displays the respective control and command information on its viewable display. *(Col. 6, line 54 - Col. 7, line 7; Col. 9, lines 39 - 42.)* The Humpleman reference makes no mention of an audio system including an editing section, a selecting section, and a display section *wherein the editing section is external to the selecting section and the display section.* Accordingly, applicants respectfully submit that claim 4, as amended, distinguishes over the Humpleman reference.

The Miller reference does not make up for the deficiencies of the Humpleman reference. The Miller reference does not disclose, teach, or suggest the audio apparatus in independent claim 4, as amended. Unlike the audio system in independent claim 4, as amended, the Miller reference does not show an audio system capable of processing an audio signal inputted from different types of signal sources with visual indication of the signal sources by labels, the audio system including a first storage section that provisionally stores display data representative of labels corresponding to the different types of signal sources; an editing section that is operated to edit the display data so that the labels can be customized in association with the types of the signal sources; a second storage section that stores the edited display data; a selecting section that selects one type of the different types of signal sources to input the audio signal; and

a display section that displays a label corresponding to the selected one type of the signal sources according to the display data stored in either the first storage section or the second storage section, *wherein the editing section is external to the selecting section and the display section.*

Instead, the Miller reference discloses a method of storing a sound field simulation associated with a preset radio frequency for a specific preset button and a method of recalling the sound field simulation by depressing the specific preset button. *(Col. 3, line 58 - col. 4, line 10.)* This is not the same as an audio system including an editing section, a selecting section, and a display section *wherein the editing section is external to the selecting section and the display section.* Accordingly, applicants respectfully submit that claim 4, as amended, distinguishes over the Miller reference, alone or in combination with, the Humpleman reference.

Independent claims 5 and 6, both as amended, recite limitations similar to independent claim 4, as amended. Accordingly, applicants respectfully submit that independent claims 5 and 6, both as amended, distinguish over the Humpleman and the Miller references for the reasons set forth above with respect to independent claim 4, as amended.

New claim 19 recites:

An audio apparatus having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio apparatus comprising:

an operation control device to set and select the various kinds of capabilities of processing the audio signal with visual indication of the capabilities by labels;

an interface for connection to an external editing system to received edited display data from the external editing system;

a storage section that stores the edited display data; and

a display section that displays the labels according to the edited display data stored in the storage section so that the displayed label can be customized in association with the corresponding capability.

The Humpleman reference does not disclose, teach, or suggest the audio apparatus in claim 19. Unlike the audio apparatus in claim 19, the Humpleman reference does not show an audio apparatus having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio apparatus including an operation control device to set and select the various kinds of capabilities of processing the audio signal with visual indication of the capabilities by labels; *an interface for connection to an external editing system to received edited display data from the external editing system;* a storage section that stores the edited display data; and a display section that displays the labels according to the edited display data stored in the storage section so that the displayed labels can be customized in association with the corresponding capability.

Instead, the Humpleman reference discloses a home device, acting as a client, that edits the command and control information of the home devices, acting as servers, and graphically displays the respective control and command information on its viewable display. *(Col. 6, line 54 - Col. 7, line 7; Col. 9, lines 39 - 42.)* The Humpleman reference does not disclose an audio apparatus including *an interface for connection to an external editing system to received edited display data from the external editing*

system because the Humpleman reference is not shown to output the control and command information to the home device that supplied the command and control information. Accordingly, applicants respectfully submit that independent claim 19 distinguishes over the Humpleman reference.

The Miller reference does not make up for the deficiencies of the Humpleman reference. The Miller reference does not disclose an audio apparatus having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio apparatus including an operation control device to set and select the various kinds of capabilities of processing the audio signal with visual indication of the capabilities by labels; *an interface for connection to an external editing system to received edited display data from the external editing system;* a storage section that stores the edited display data; and a display section that displays the labels according to the edited display data stored in the storage section so that the displayed labels can be customized in association with the corresponding capabilities.

Instead, the Miller reference discloses a method of storing a sound field simulation associated with a preset radio frequency for a specific preset button and a method of recalling the sound field simulation by depressing the specific preset button. *(Col. 3, line 58 - col. 4, line 10.)* This is not the same as an audio apparatus including *an interface for connection to an external editing system to received edited display data from the external editing system.* Accordingly, applicants respectfully submit that independent claim 19 distinguishes over the Miller reference, alone or in combination with, the Humpleman reference.

Independent claims 25, 26, and 27 recite limitations similar to independent claim

19. Accordingly, applicants respectfully submit that independent claims 25, 26, and 27, distinguish over the Humpleman and Miller references for the reasons set forth above with respect to independent claim 19.

Claims 20 - 24 depend, directly or indirectly, from independent claim 19. Accordingly, applicants respectfully submit that claims 20 - 24 distinguish over the Humpleman and Miller references for the reasons set forth above with respect to independent claim 19.

//

//

//

//

//

//

//

//

//

//

//

//

//

//

//

//

Applicants believe that the foregoing amendments place the application in condition for allowance, and a favorable action is respectfully requested. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call either of the undersigned attorneys at the Los Angeles telephone number (213) 488-7100 to discuss the steps necessary for placing the application in condition for allowance should the Examiner believe that such a telephone conference would advance prosecution of the application.

Respectfully submitted,

PILLSBURY WINTHROP LLP

Date: March 27, 2003

By: Mark R. Kendrick
Mark R. Kendrick
Registration No. 48,468
Attorney for Applicant(s)

Date: March 27, 2003

By: Roger R. Wise
Roger R. Wise
Registration No. 31,204
Attorney For Applicant(s)

725 South Figueroa Street, Suite 2800
Los Angeles, CA 90017-5406
Telephone: (213) 488-7100
Facsimile: (213) 629-1033

APPENDIX
VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please amend claims 1 - 18 as follows. Please add claims 19 - 27.

1. (Amended) An audio system having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio system comprising:

a main section that provides the capabilities of processing [an] the audio signal;

an editing section external to the main section that is operated to edit display data representative of a label corresponding to a capability provided by the main section and to ouput the data representative of the label corresponding to the capability;

a storage section that stores the edited display data; and

a display section that displays the label according to the edited display data stored in the storage section so that the displayed label can be customized in association with the corresponding capability.

2. (Amended) An audio system having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio system comprising:

a main section that provides the capabilities of processing [an] the audio signal;

a first storage section that provisionally stores display data representative of labels corresponding to the capabilities provided by the main section;

an editing section external to the main section that is operated to edit the display data so that the labels can be customized in association with the corresponding

capabilities and to output the edited display data;

a second storage section that stores the edited display data; and

a display section that can display the labels according to the display data stored in either [of] the first storage section [and] or the second storage section.

3. (Amended) An audio system having a plurality of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio system comprising:

a main section that selectively provides the capabilities of processing [an] the audio signal;

a first storage section that provisionally stores display data representative of labels corresponding to the capabilities;

an editing section external to the main section that is operated to edit the display data so that the labels can be customized in association with the capabilities and to output the edited display data;

a second storage section that stores the edited display data;

a selecting section that selects one of the capabilities; and

a display section that displays [the] a label corresponding to the selected one of the capabilit[y]ies according to the display data stored in either [of] the first storage section [and] or the second storage section

4. (Amended) An audio system capable of processing an audio signal inputted from different types of signal sources with visual indication of the signal sources by labels, the audio system comprising:

a first storage section that provisionally stores display data representative of

labels corresponding to the signal sources;

an editing section that is operated to edit the display data so that the labels can be customized in association with the different types of the signal sources;

a second storage section that stores the edited display data;

a selecting section that selects one type of the different types of the signal sources to input the audio signal; and

a display section that displays [the] a label corresponding to the selected one type of the signal sources according to the display data stored in either [of] the first storage section [and] or the second storage section, wherein the editing section is external to the selecting section and the display section.

5. (Amended) An audio system capable of applying different modes of sound effects to an audio signal with visual indication of the sound effects by labels, the audio system comprising:

a first storage section that provisionally stores display data representative of labels corresponding to the modes of the sound effects;

an editing section that is operated to edit the display data so that the labels can be customized in association with the modes of the sound effects;

a second storage section that stores the edited display data;

a selecting section that selects one mode of the modes of the sound effects to process the audio signal; and

a display section that displays [the] a label corresponding to the selected one mode of the modes of the sound effects according to the display data stored in either [of] the first storage section [and] or the second storage section, wherein the editing

section is external to the selecting section and the display section.

6. (Amended) An audio system capable of presetting different groups of radio stations for enabling a tuner to receive an audio signal from a radio station of a preset group with visual indication of the group by a label, the audio system comprising:

a first storage section that provisionally stores display data representative of labels corresponding to the groups of the radio station;

an editing section that is operated to edit the display data so that the labels can be customized in association with the groups of the radio stations;

a second storage section that stores the edited display data;

a selecting section that selects one group of the groups of the radio stations to receive an audio signal from a radio station belonging to the selected one group; and

a display section that displays [the] a label corresponding to the selected one group according to the display data stored in either [of] the first storage section [and] or the second storage section, wherein the editing section is external to the selecting section and the display section.

7. (Amended) A display method performed in an audio system having various kinds of capabilities of processing an audio signal, for providing visual indication of the capabilities by labels, the display method comprising the steps of:

editing display data at an editing section representative of a label corresponding to a capability provided by the audio system;

outputting the edited display data to a main section external to the editing section that provides the capabilities of processing the audio;

storing the edited display data in a storage; and

displaying the label according to the edited display data stored in the storage so that the displayed label can be customized in association with the corresponding capability.

8. (Amended) A display method performed in an audio system having various kinds of capabilities of processing an audio signal, for visual indication of the capabilities by labels, the display method comprising the steps of:

provisionally storing display data in a first storage, the display data being representative of original ones of the labels corresponding to the capabilities provided by the audio system;

editing the display data in an editing section so that the labels can be customized in association with the corresponding capabilities;

outputting the edited display data to a main section external to the editing section that provides the capabilities of processing the audio;

storing the edited display data in a second storage; and

displaying the labels according to the display data stored in either [of] the first storage [and] or the second storage.

9. (Amended) The display method as claimed in claim 8, further comprising [the] a step of selecting one of the capabilities provided by the audio system so that [the] a label corresponding to the selected one of the capabilit[y]ies is displayed by the display step.

10. (Amended) The display method as claimed in claim 9, performed in the audio system having capabilities of inputting an audio signal from different types of signal sources, wherein the step of provisionally storing stores display data

representative of labels corresponding to the different types of the signal sources, and the step of selecting selects one type of the different types of the signal sources to input the audio signal so that [the] a label corresponding to the selected one type of the different types of the signal sources is displayed according to the display data.

11. (Amended) The display method as claimed in claim 9, performed in the audio system having capabilities of applying different modes of sound effects to an audio signal, wherein the step of provisionally storing stores display data representative of labels corresponding to the different modes of the sound effects, and the step of selecting selects one mode of the different modes of the sound effects to process the audio signal so that [the] a label corresponding to the selected one mode of the different modes of the sound effects is displayed according to the display data.

12. (Amended) The display method as claimed in claim 9, performed in the audio system having capabilities of presetting different groups of radio stations for enabling a tuner to receive an audio signal from a radio station of a preset group, wherein the step of provisionally storing stores display data representative of labels corresponding to the different preset groups of the radio stations, and the step of selecting selects one group of the different preset groups of the radio stations to receive an audio signal from a radio station belonging to the selected one group so that the label corresponding to the selected one group is displayed according to the display data.

13. (Amended) A machine-readable medium for use in an audio system controllable by a personal computer and having various capabilities of processing an audio signal, the medium containing program instructions executable by the personal

computer for causing the audio system to perform a process of providing visual indication of the capabilities by labels, wherein the process comprises the steps of:

editing display data, in an editing system, representative of a label corresponding to a capability provided by the audio system;

outputting the edited display data to a main section external to the editing section that provides the capabilities of processing the audio;

storing the edited display data in a storage; and

displaying the label according to the edited display data stored in the storage so that the displayed label can be customized in association with the corresponding capability.

14. A machine-readable medium for use in an audio system controllable by a personal computer and having various capabilities of processing an audio signal, the medium containing program instructions executable by the personal computer for causing the audio system to perform a process of providing visual indication of the capabilities by means of labels, wherein the process comprises the steps of:

accessing display data provisionally stored in a first storage, the display data being representative of original ones of the labels corresponding to the capabilities provided by the audio system;

editing the display data, in an editing section, so that the labels can be customized in association with the corresponding capabilities;

outputting the edited display data to a main section external to the editing section that provides the capabilities of processing the audio;

storing the edited display data in a second storage; and

displaying the labels according to the display data stored in either [of] the first storage [and] or the second storage.

15. The machine-readable medium as claimed in claim 14, wherein the process further comprises the step of selecting one of the capabilities provided by the audio system so that the label corresponding to the selected capability is displayed.

16. The machine-readable medium as claimed in claim 15, for use in the audio system having capabilities of inputting an audio signal from different types of signal sources, wherein the step of provisionally storing stores display data representative of labels corresponding to the different types of the signal sources, and the step of selecting selects one type of the different types of the signal sources to input the audio signal so that [the] a label corresponding to the selected one type of the different types of the signal sources is displayed according to the display data.

17. The machine-readable medium as claimed in claim 15, for use in the audio system having capabilities of applying different modes of sound effects to an audio signal, wherein the step of provisionally storing stores display data representative of labels corresponding to the different modes of the sound effects, and the step of selecting selects one mode of the different modes of the sound effects to process the audio signal so that [the] a label corresponding to the selected one mode of the different modes of the sound effects is displayed according to the display data.

18. The machine-readable medium as claimed in claim 15, for use in the audio system having capabilities of presetting different groups of radio stations for enabling a tuner of the audio system to receive an audio signal from a radio station belonging to a preset group, wherein the step of provisionally storing stores display data

representative of labels corresponding to the different preset groups of the radio stations, and the step of selecting selects one group of the different preset groups of the radio stations to receive an audio signal from a radio station belonging to the selected one group so that [the] a label corresponding to the selected one group is displayed according to the display data.

19. (New)..An audio apparatus having various kinds of capabilities of processing an audio signal with visual indication of the capabilities by labels, the audio apparatus comprising:

an operation control device to set and select the various kinds of capabilities of processing the audio signal with visual indication of the capabilities by labels;

an interface for connection with an external editing system to received edited display data from the external editing system.

a storage section that stores the edited display data; and

a display section that displays the labels according to the edited display data stored in the storage section so that the displayed labels can be customized in association with the corresponding capability.

20. (New) The audio apparatus of claim 19, wherein the interface for connection with the external editing system operates in accordance with the Universal Serial Bus (USB) protocol.

21. (New) The audio apparatus of claim 19, wherein the interface for connection with the external editing system operates in accordance with network protocols, e.g., the Ethernet or Asynchronous Transfer Mode network protocols, or in accordance with wireless communication protocols.

22. (New) The audio apparatus of claim 19, further including an input selector to select one type of the capabilities of processing the audio signal.

23. (New) The audio apparatus of claim 19, further including an audio amplifier to amplify the audio signal and to sound the audio signal from a loudspeaker through a speaker terminal.

24. (New) The audio apparatus of claim 19, further including an internal editing device to edit display data and to transfer the edited display data to the storage section.

25. (New) An audio apparatus of processing an audio signal inputted from different types of signal sources with visual indication of the different types of signal sources by labels, the audio apparatus comprising:

a first storage section that provisionally stores display data representative of labels corresponding to the signal sources;

an interface for connection with an external editing system to receive edited display data so that the labels can be customized in association with the types of signal sources;

a second storage section that stores the edited display data;

a selecting section that selects one type of the different types of the signal sources to input the audio signal; and

a display section that displays a label corresponding to the selected type of the different types of the signal sources according to the display data stored in either the first storage section or the second storage section.

26. (New) An audio system capable of applying different modes of sound effects to an audio signal with visual indication of the different modes of the sound

effects by labels, the audio system comprising:

a first storage section that provisionally stores display data representative of labels corresponding to the different modes of the sound effects;

an interface for connection with an external editing system to receive edited display data so that the labels can be customized in association with the different modes of the sound effects;

a second storage section that stores the edited display data;

a selecting section that selects one mode of the different modes of the sound effects to process the audio signal;

a display section that displays the label corresponding to the selected one mode of the different modes of the sound effects according to the display data stored in either the first storage section or the second storage section.

27. (New) An audio system capable of presetting different groups of radio stations for enabling a tuner to receive an audio signal from a radio station of a preset group with visual indication of the preset different groups by a label, the audio system comprising:

a first storage section that provisionally stores display data representative of the labels corresponding to the preset different groups of the radio station;

an interface to connect to an external editing section that is operated to edit the display data so that the labels can be customized in association with the preset different groups of the radio stations;

a second storage section that stores the edited display data;

a selecting section that selects one group of the preset different groups of the

radio stations to receive an audio signal from a radio station belonging to the selected one group; and

a display section that displays the labels corresponding to the selected one group according to the display data stored in either the first storage section or the second storage section.